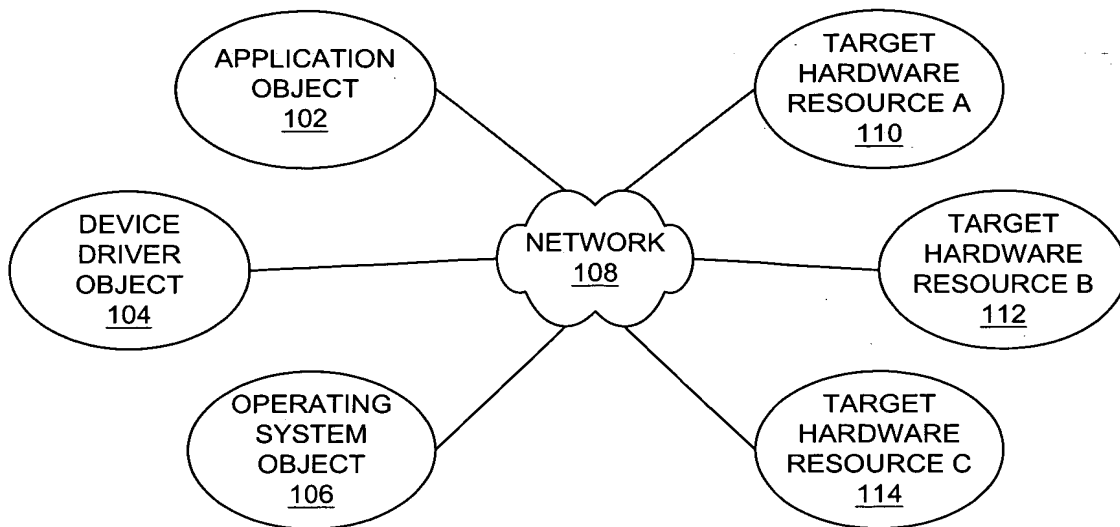
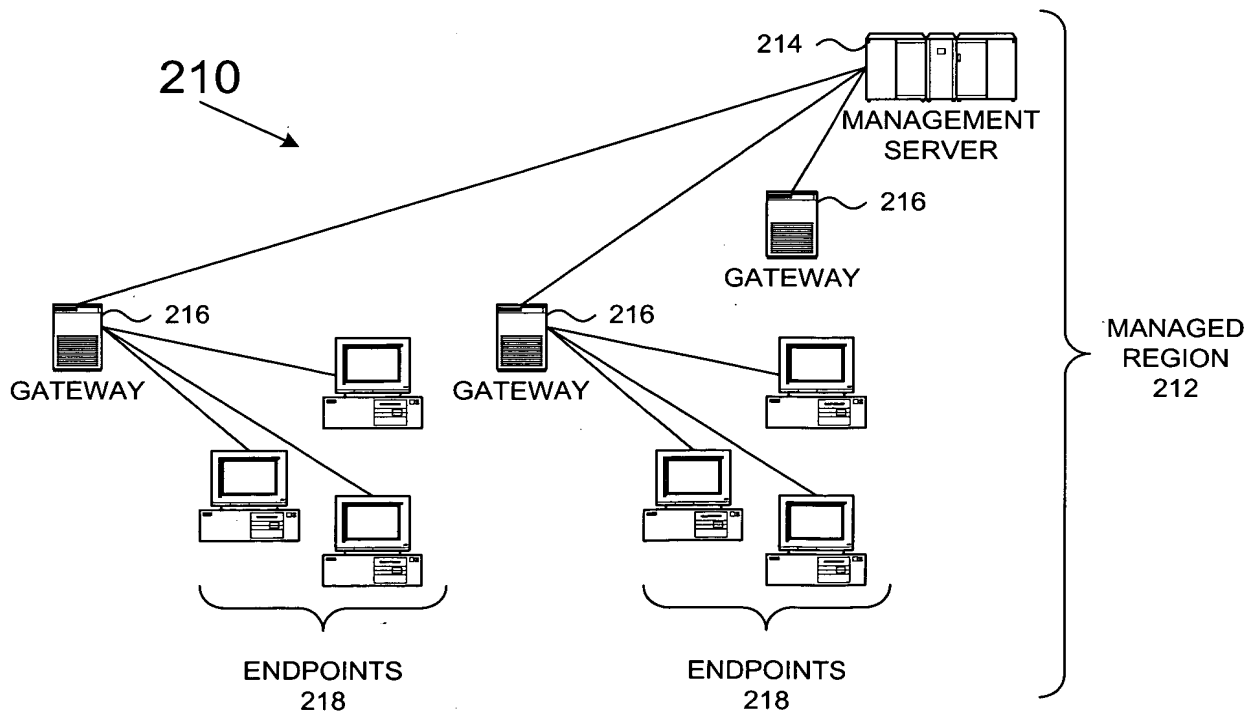


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*FIG. 1*  
(PRIOR ART)



*FIG. 2A*

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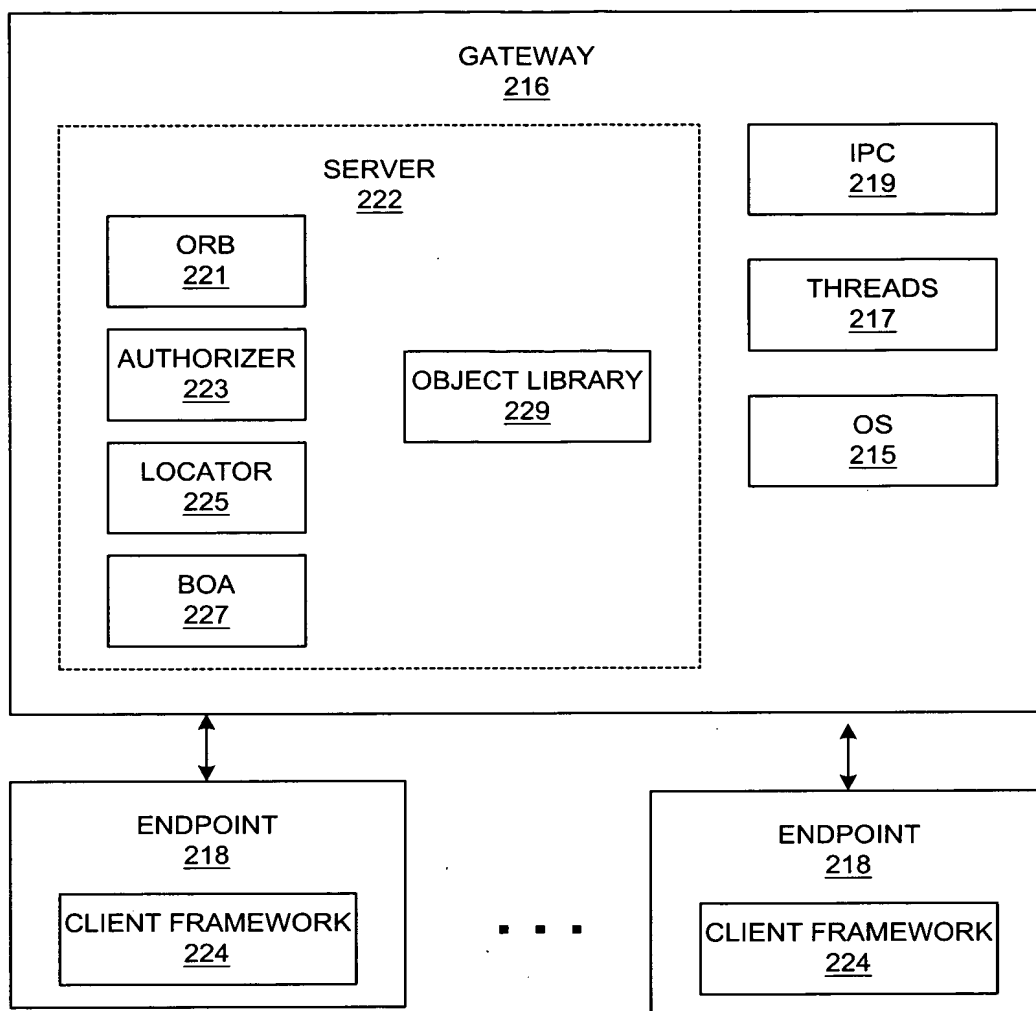


FIG. 2B

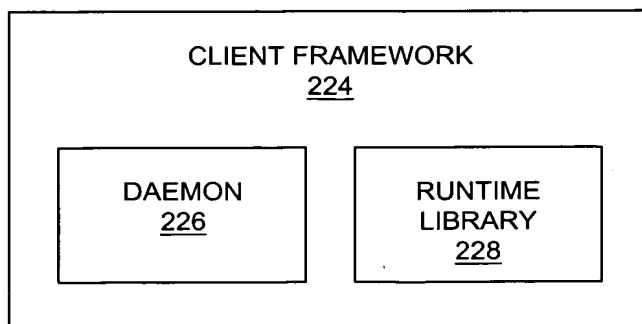


FIG. 2C

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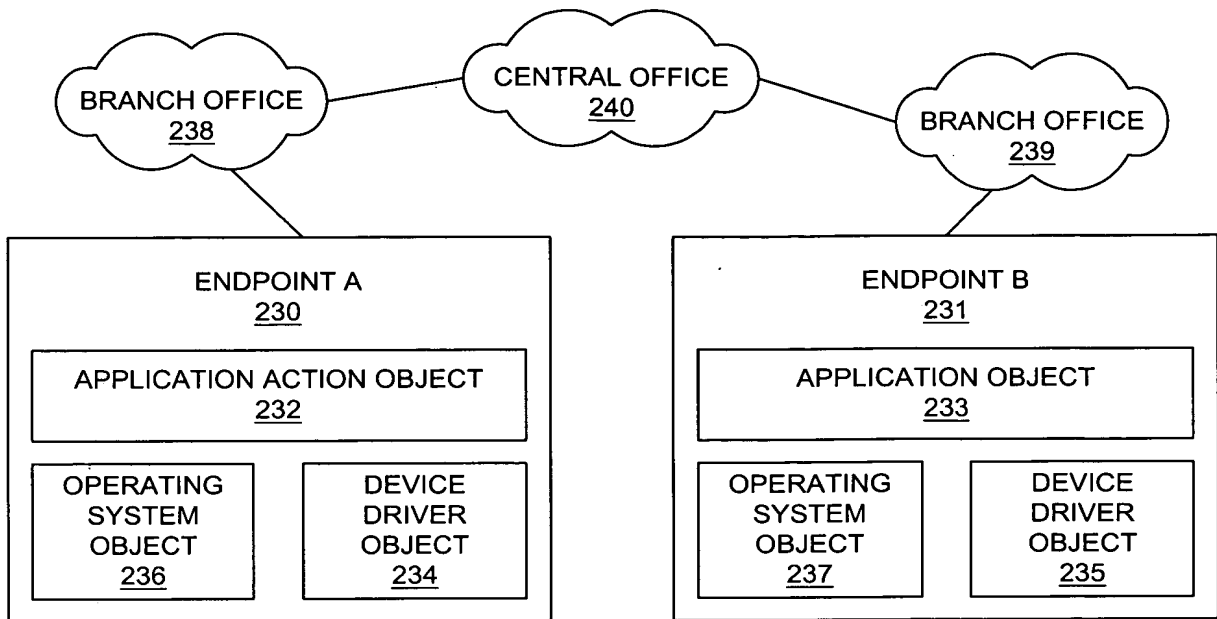


FIG. 2D

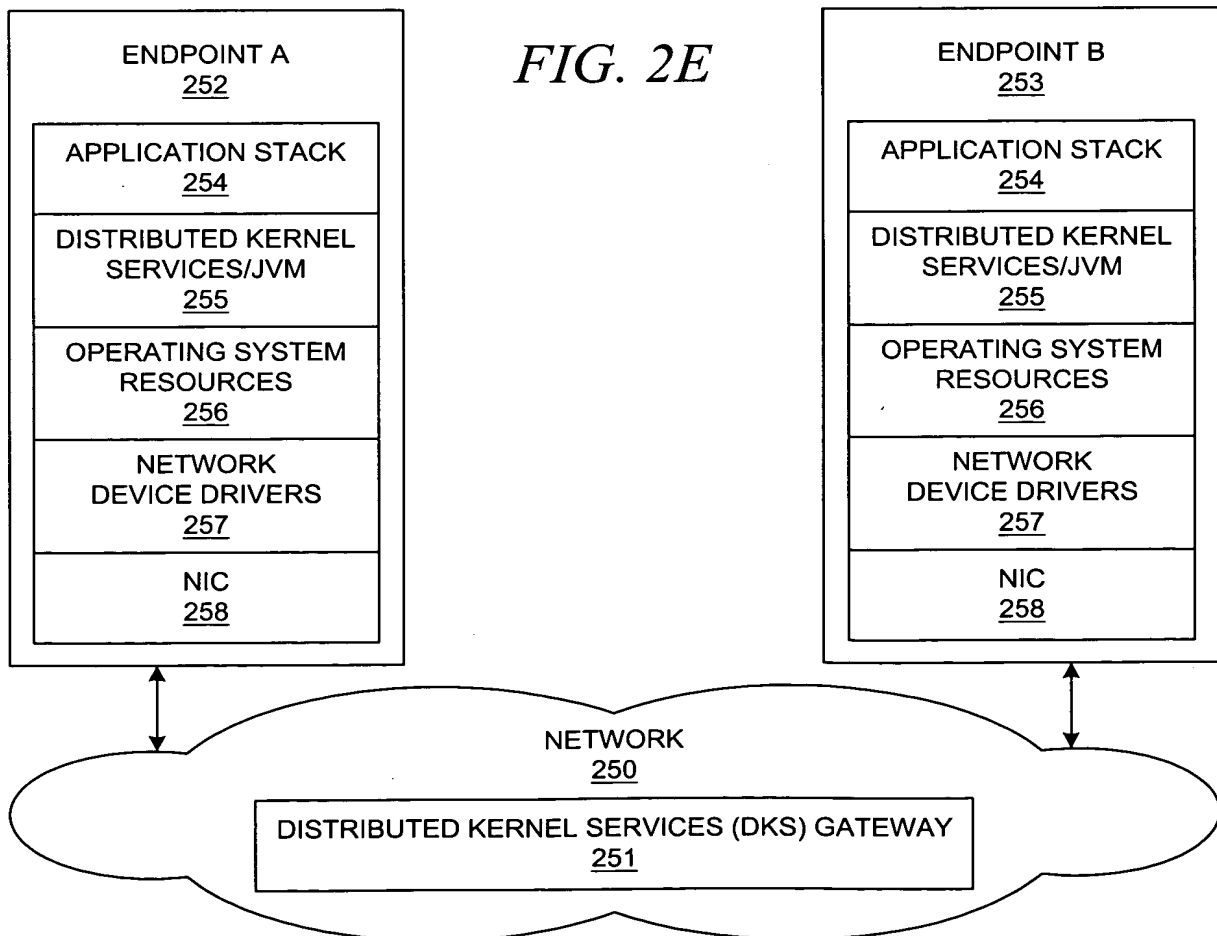


FIG. 2E

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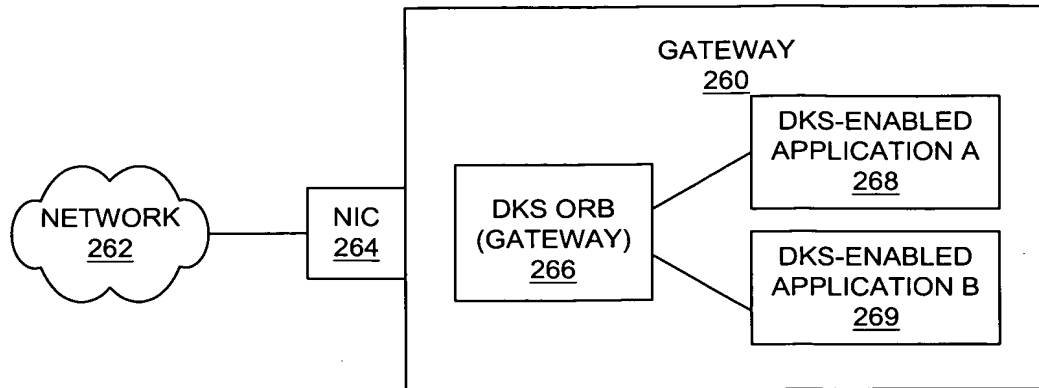


FIG. 2F

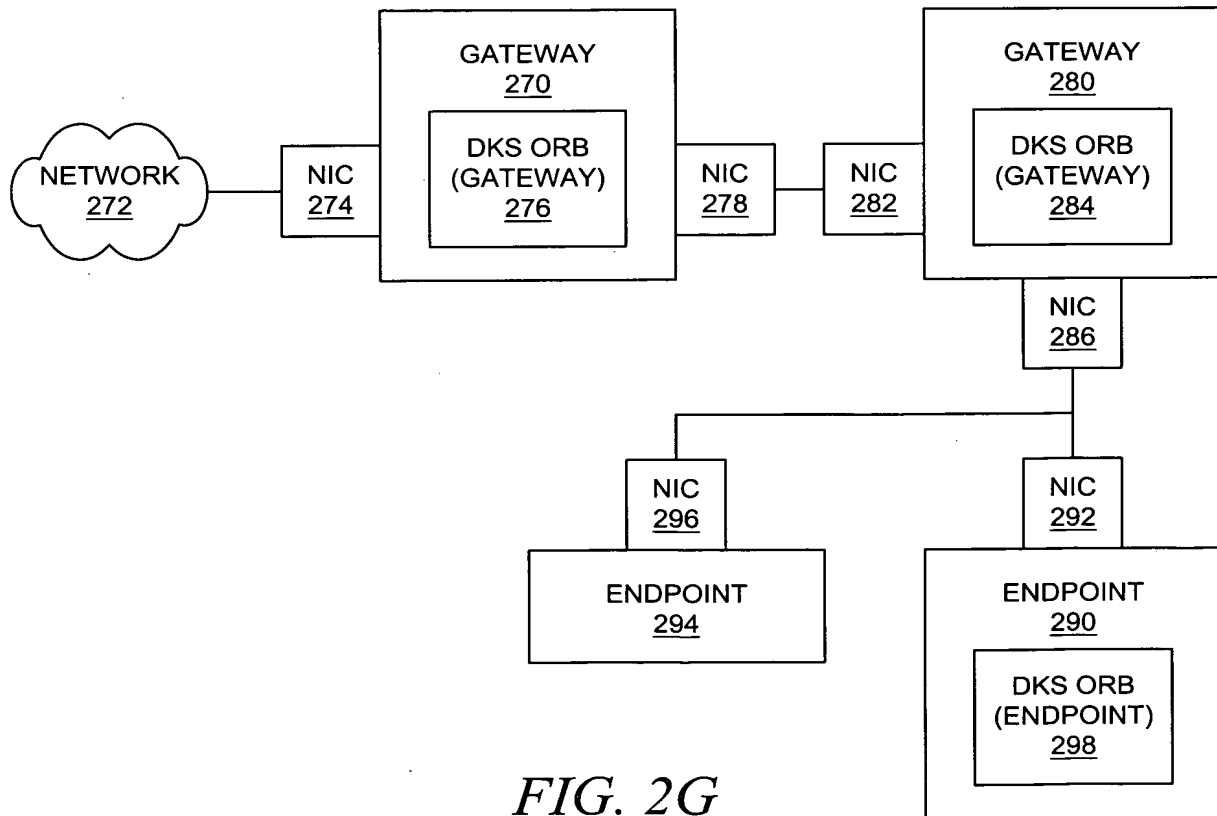


FIG. 2G

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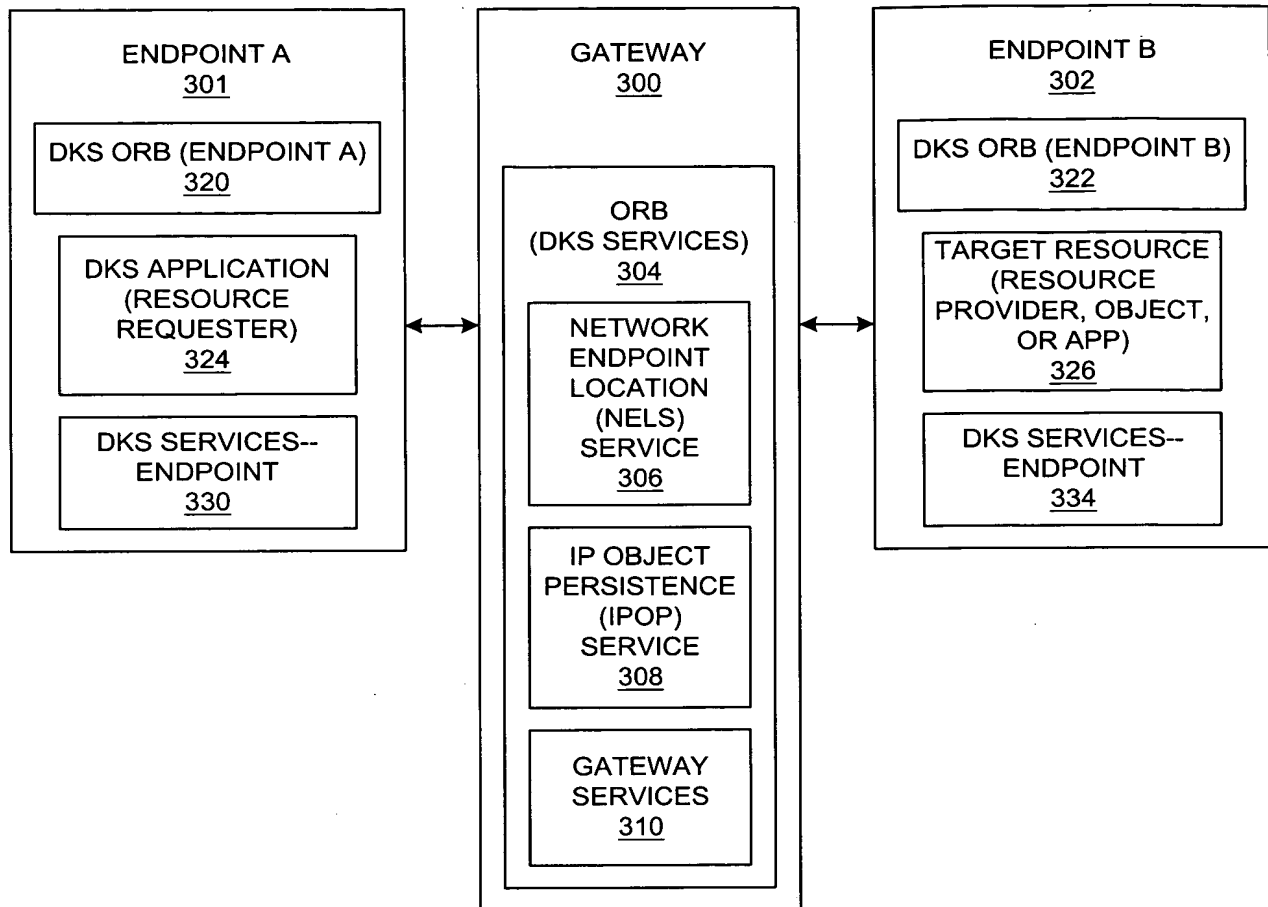


FIG. 3

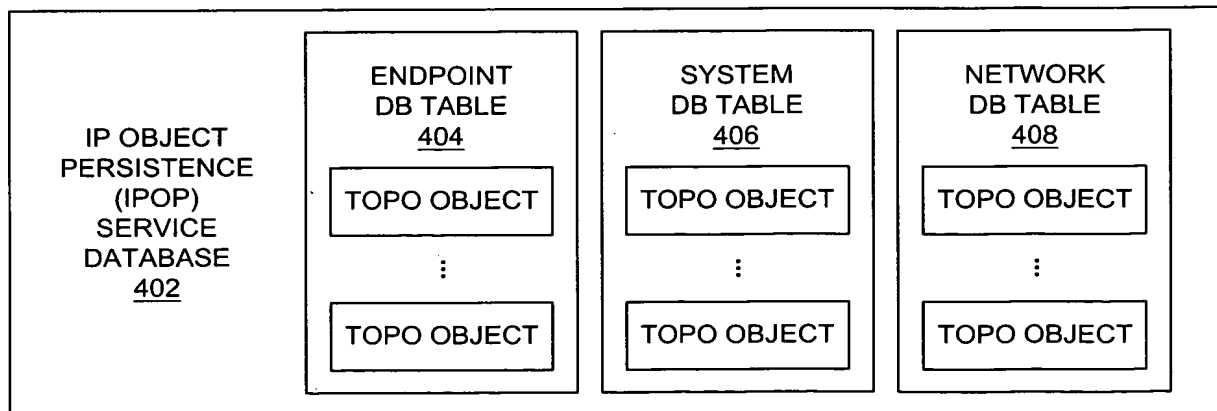


FIG. 4

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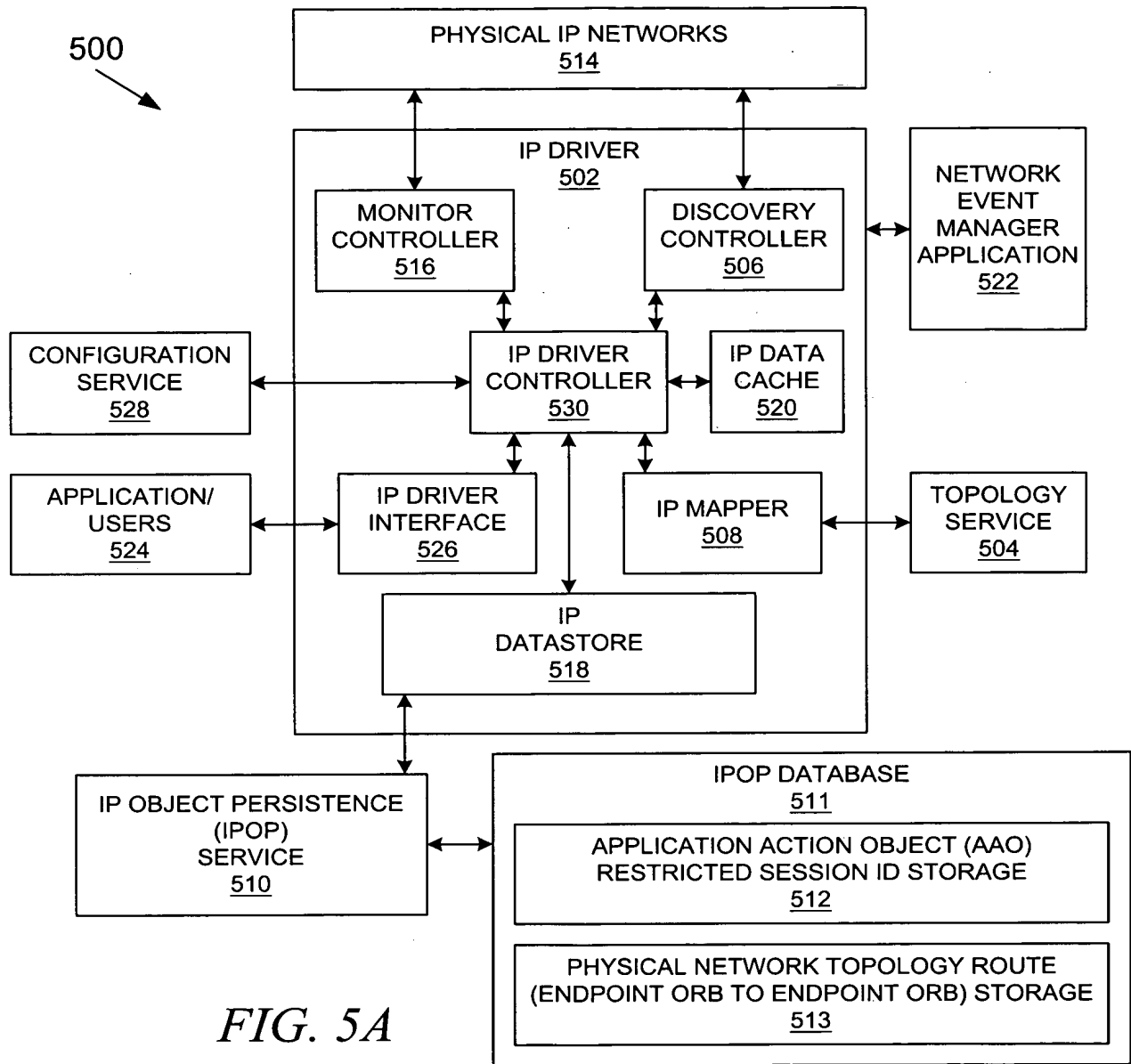


FIG. 5A

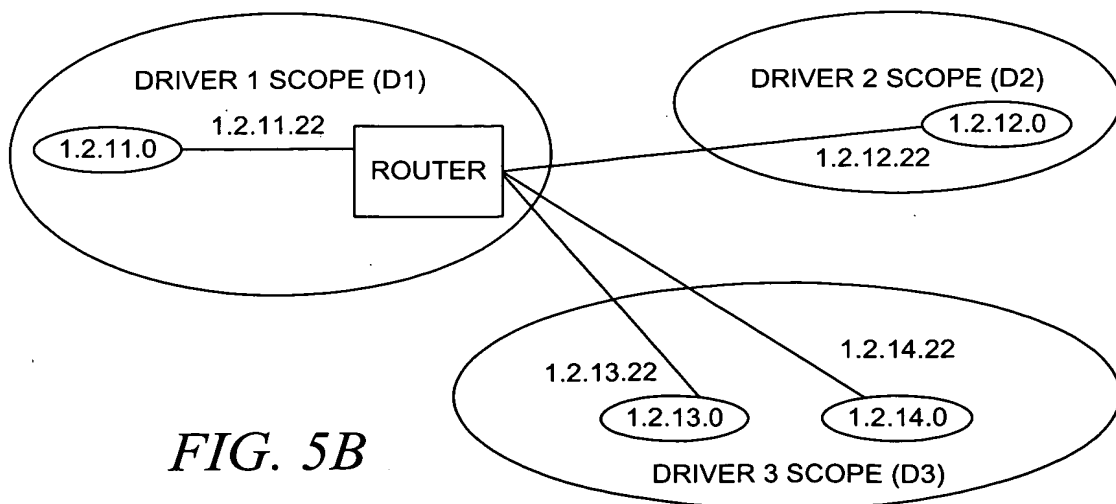


FIG. 5B

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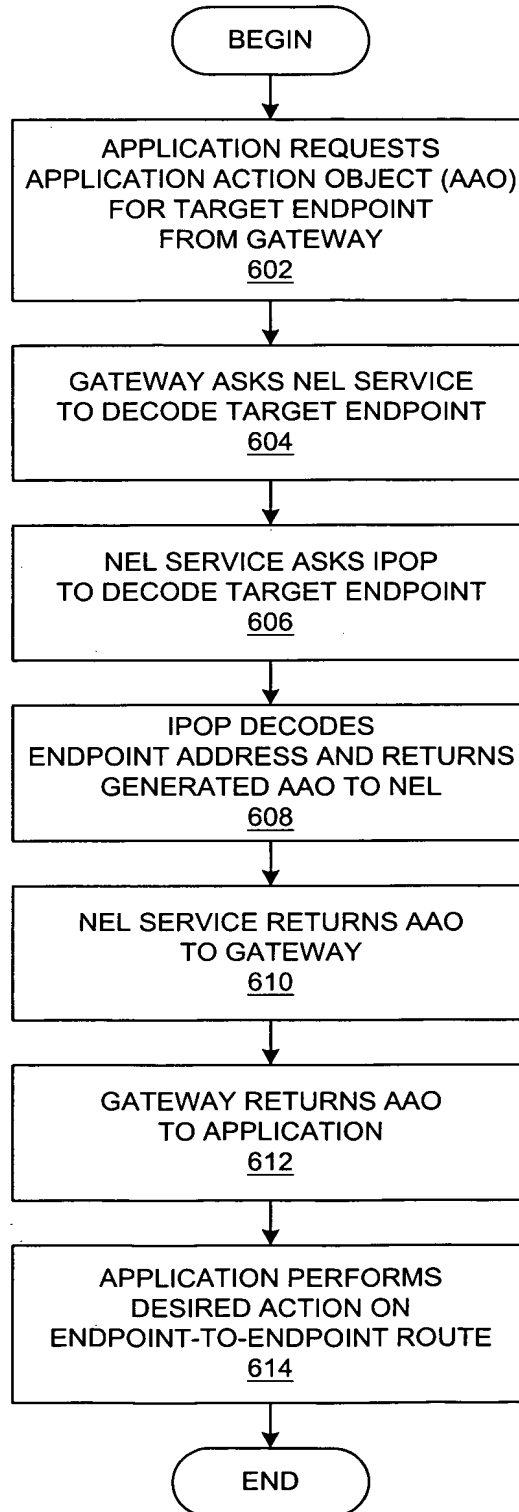


FIG. 6A

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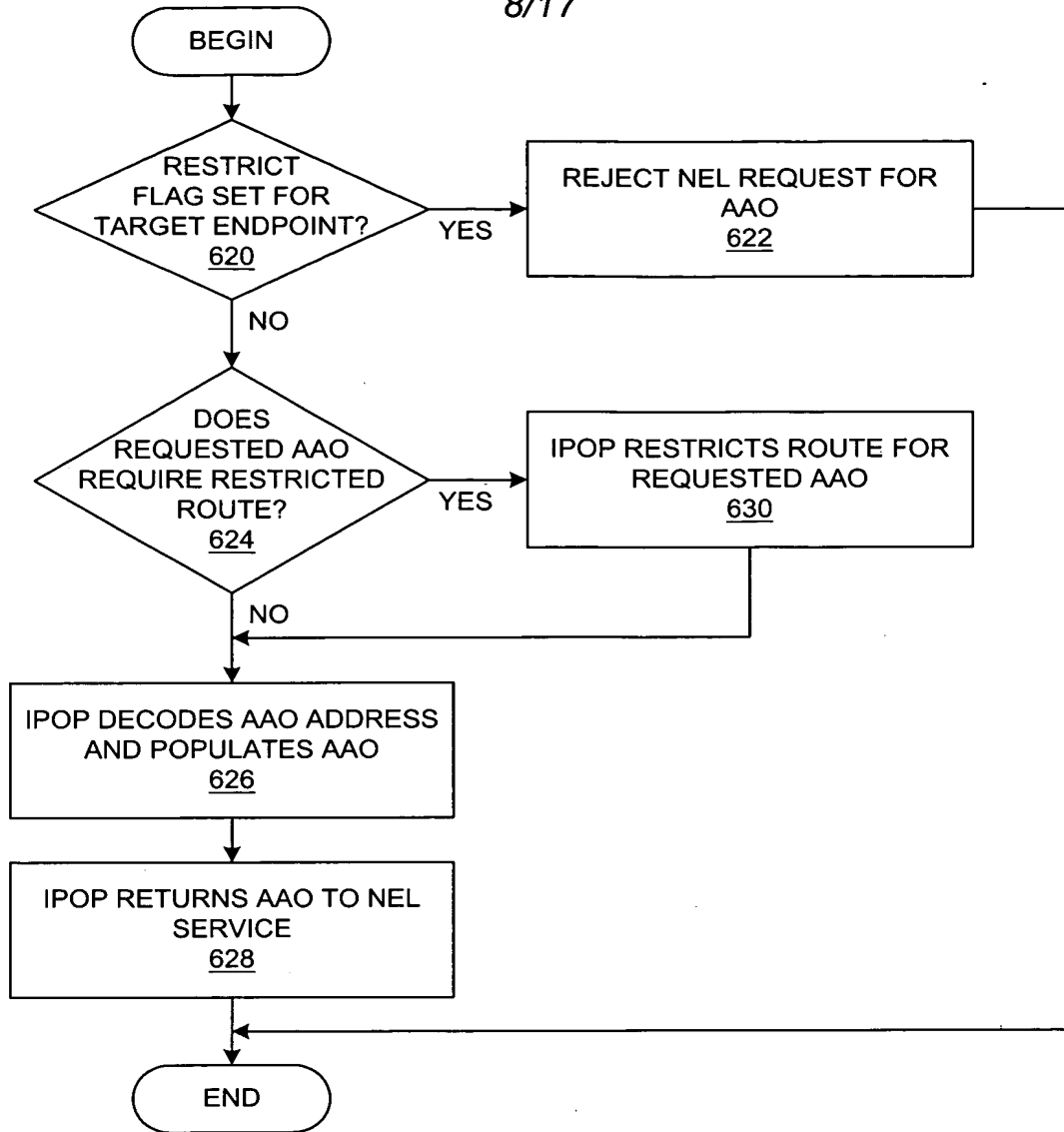


FIG. 6B

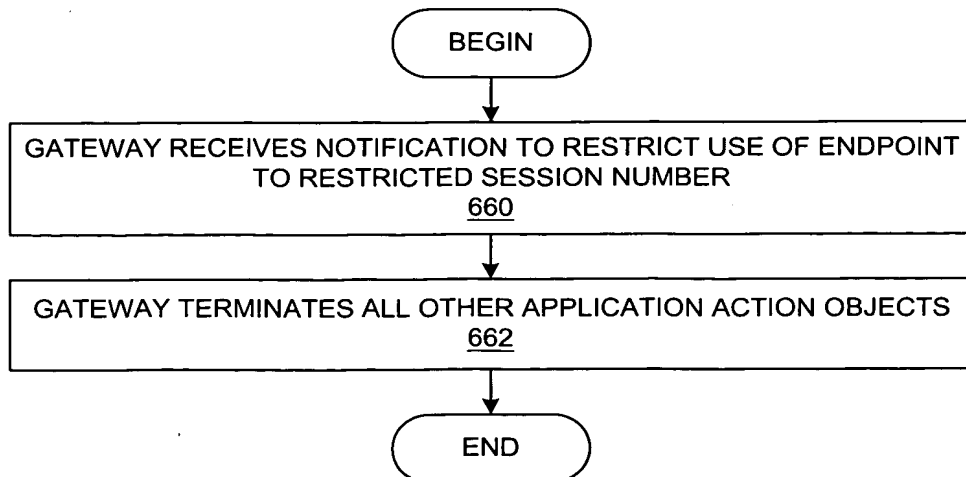


FIG. 6D



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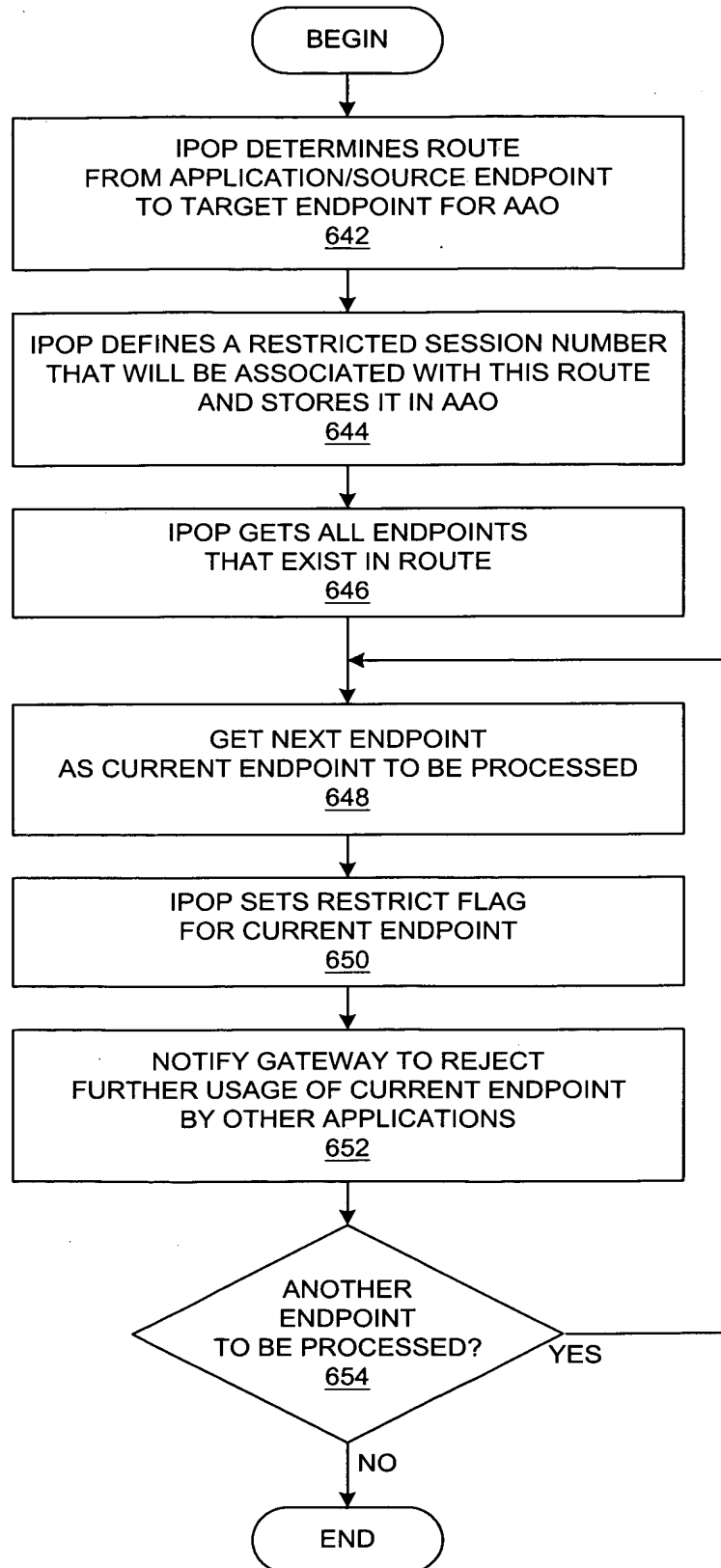


FIG. 6C

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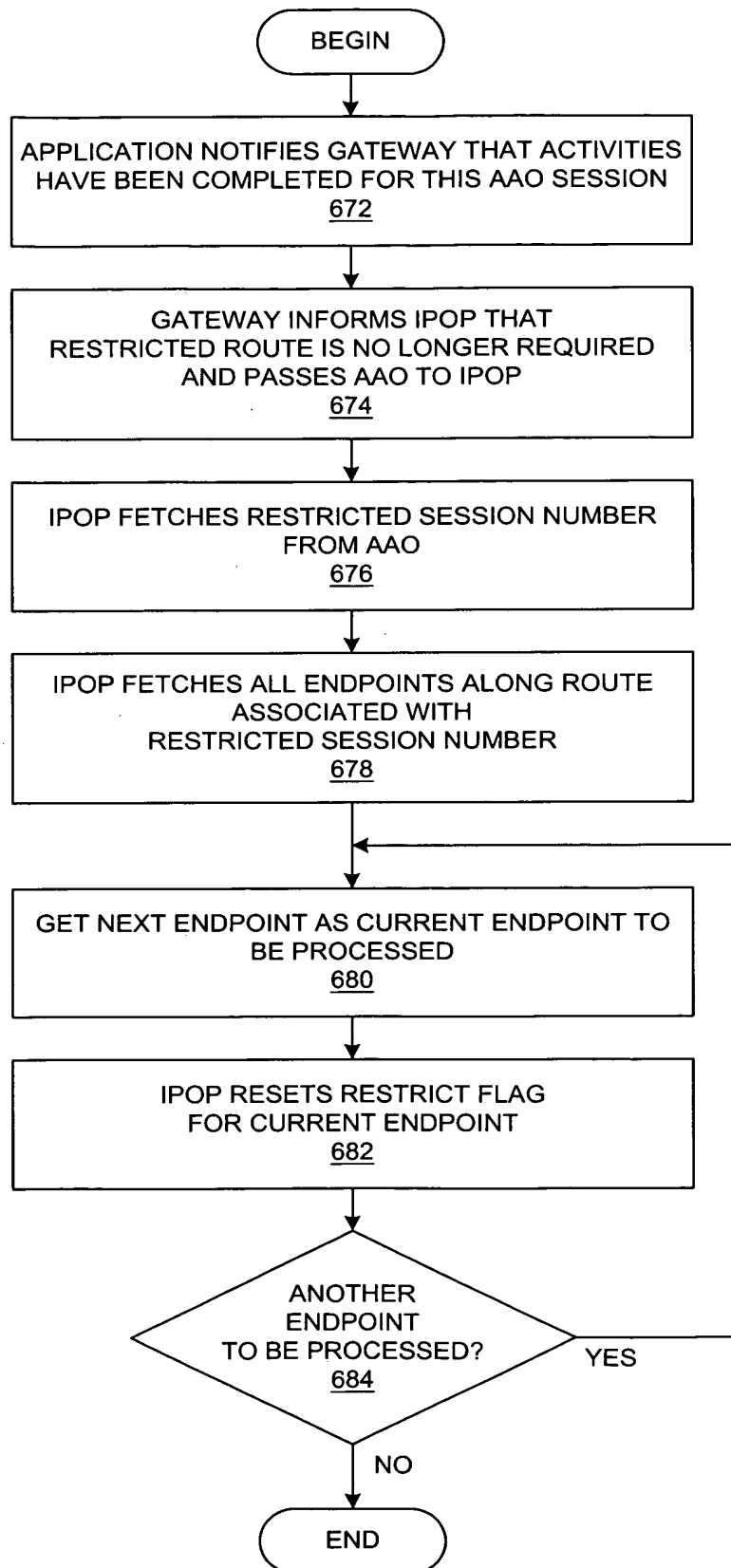


FIG. 6E

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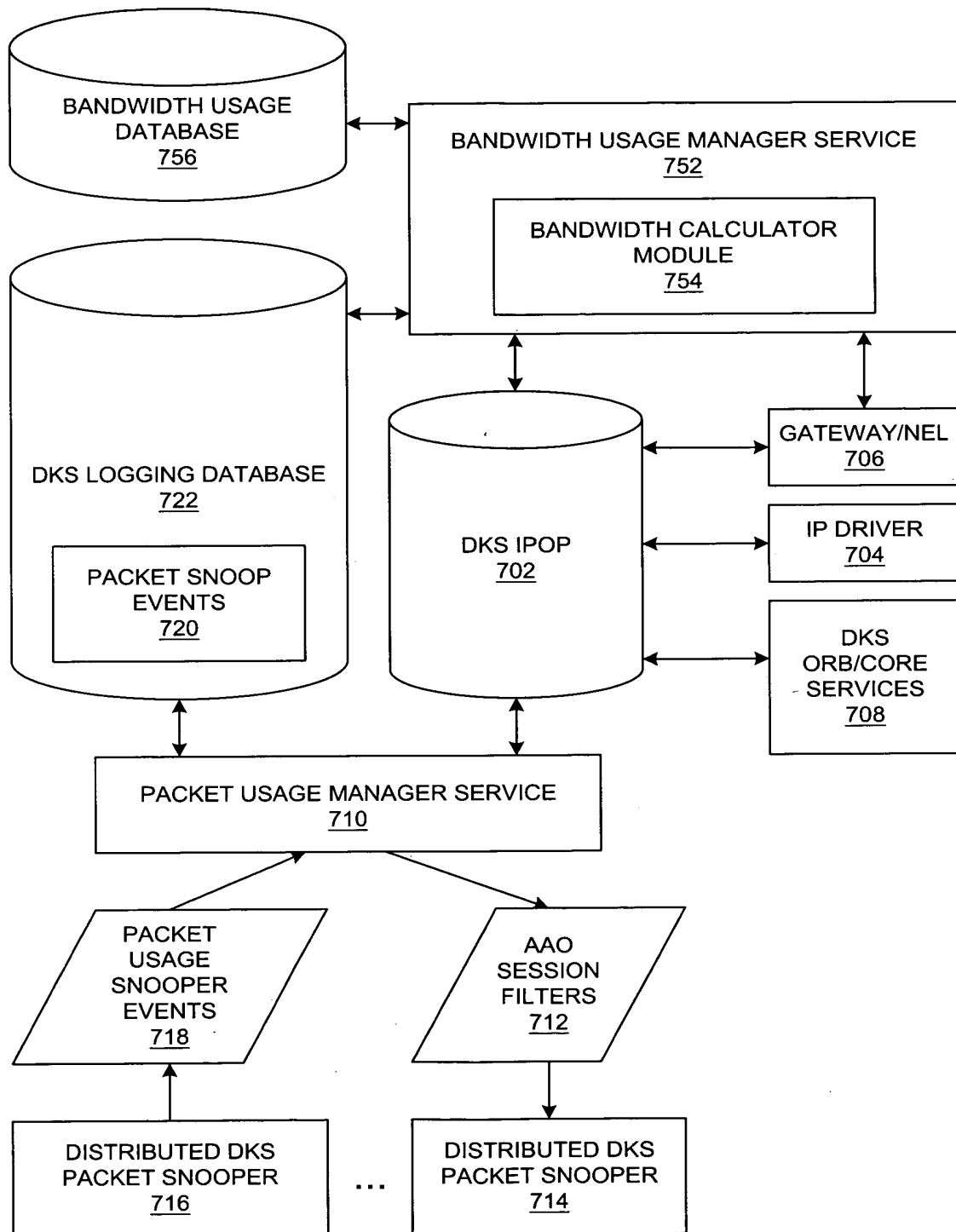


FIG. 7A

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Class DKSSnooperEvent {

```
    AAO      Session;           // User, Application, Endpoint Route Information
    Vector    packetSizes;
    Int       TypeOfSnoopSession // Packet Type = 1;
                                     // Small Packet Sizes Only = 2;
                                     // All Packets = 3
```

}

Class AAOSession {

```
    long      AAOSessionID;
    PacketFilter p;
```

}

Class PacketFilter {

```
    Endpoint Route;
    int          SizeMinThreshold;
    int          SizeMaxThreshold;
    PacketType   PacketTypeArray; // type(s) of network protocol packets
```

}

Public Class Endpoint {

```
//public variables
long      EPObjectID; // ID to object (both private & public network addresses)
InetAddress EPIPAddress; // physical network address (private or public)
long      EPVPN;      // virtual private network ID

//get/set of variables
public long      getObjectID( ) { ... }
public InetAddress getIPAddress( ) { ... }
public long      getVPN( ) { ... }
```

...

*FIG. 7B*

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Network Management Application--  
Packet Usage -- Application View

APPLICATION LIST 802

SET ... 804

EXIT 806

PACKET  
USAGE ~ 808  
STATUS

OK APPLICATION 1

810  
==> APPLICATION 2

PAUSE 812

RESTART 814

STOP 816

PAUSE

RESTART

STOP

800

FIG. 8A

Network Management Application--  
Packet Usage -- User View

USER LIST 852

SET ... 854

EXIT 856

PACKET  
SIZE ~ 858  
STATUS

ACTION  
ON ALL  
APPS

OK USER 1

860  
==> USER 2

868

PAUSE 862

RESTART 864

STOP 866

PAUSE

RESTART

STOP

850

FIG. 8B

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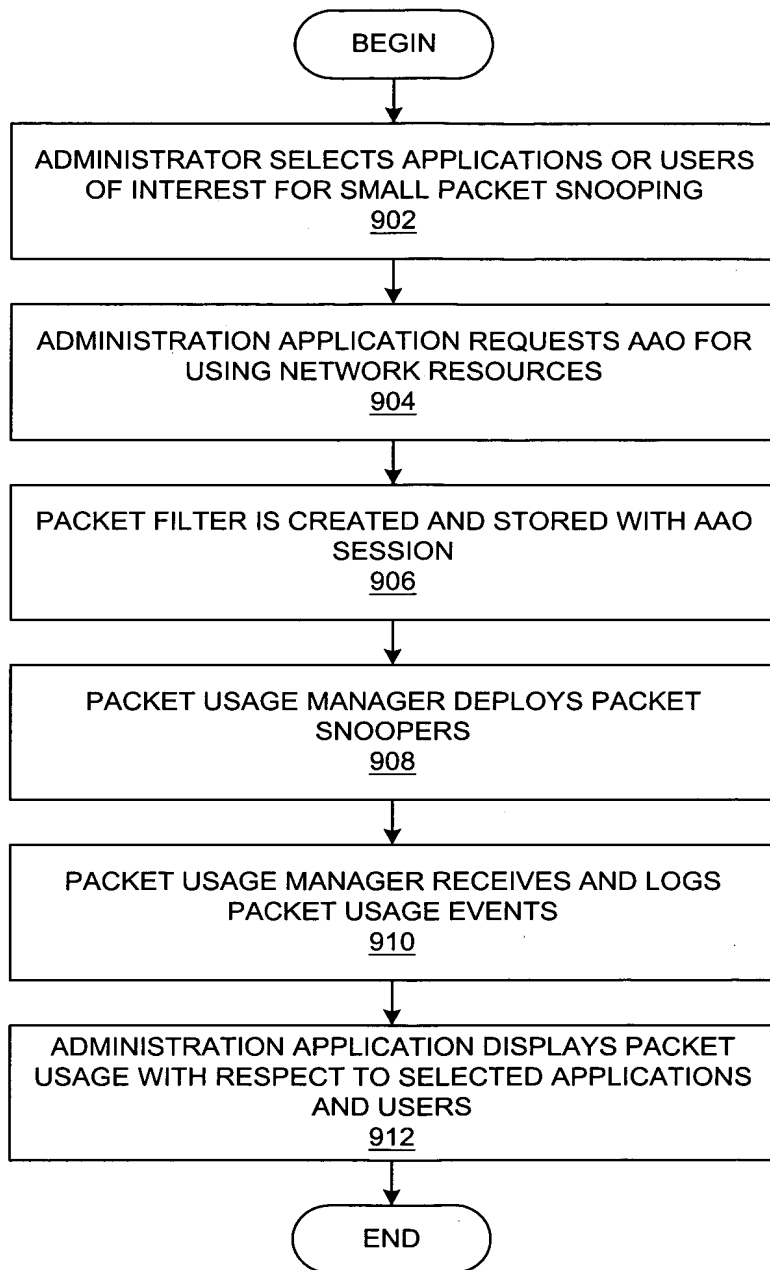


FIG. 9A

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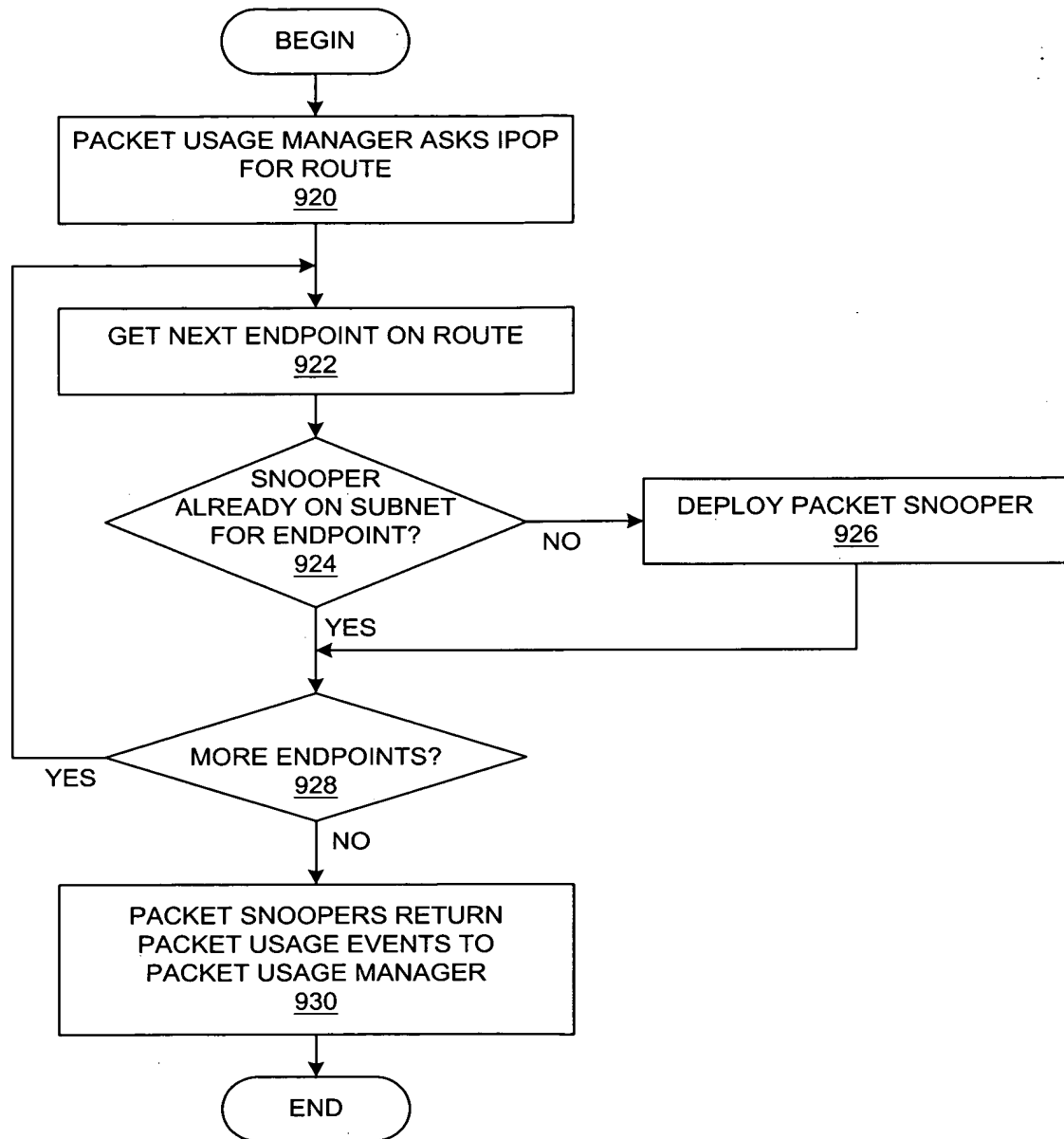


FIG. 9B

```

Class BandwidthApplicationActionObject extends ApplicationActionObject {

    BandwidthUsage predictedBWUsage; // Predicted bandwidth usage based on
                                     // selected category
    BandwidthUsage actualBWUsage;    // Actual bandwidth usage
    User u;

}
    
```

FIG. 10

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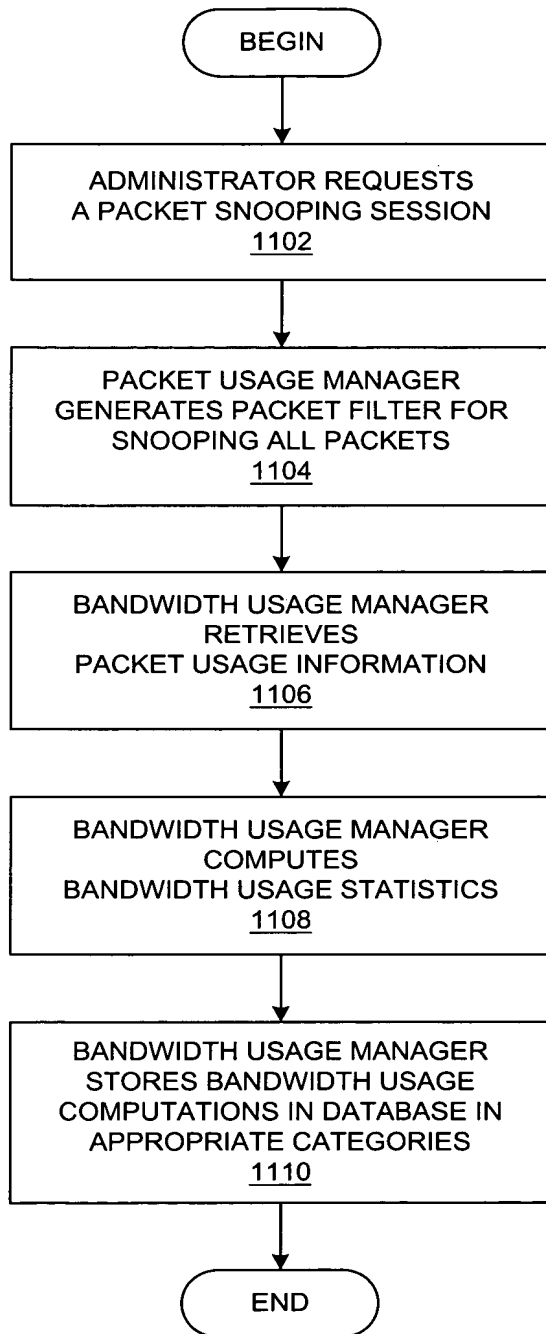


FIG. 11A

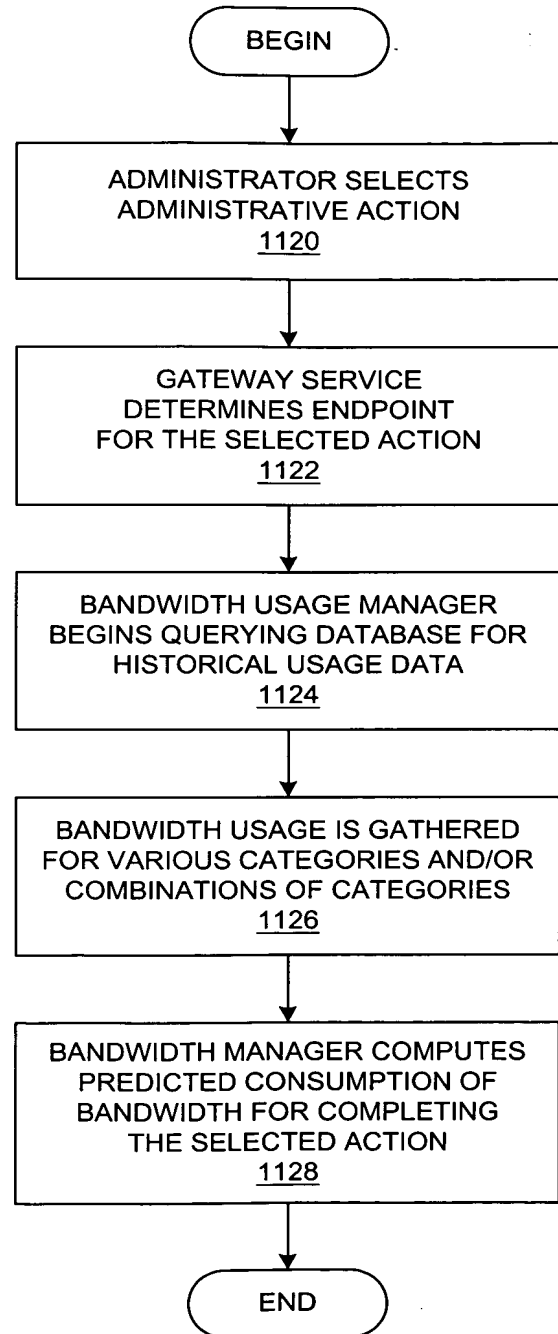


FIG. 11B



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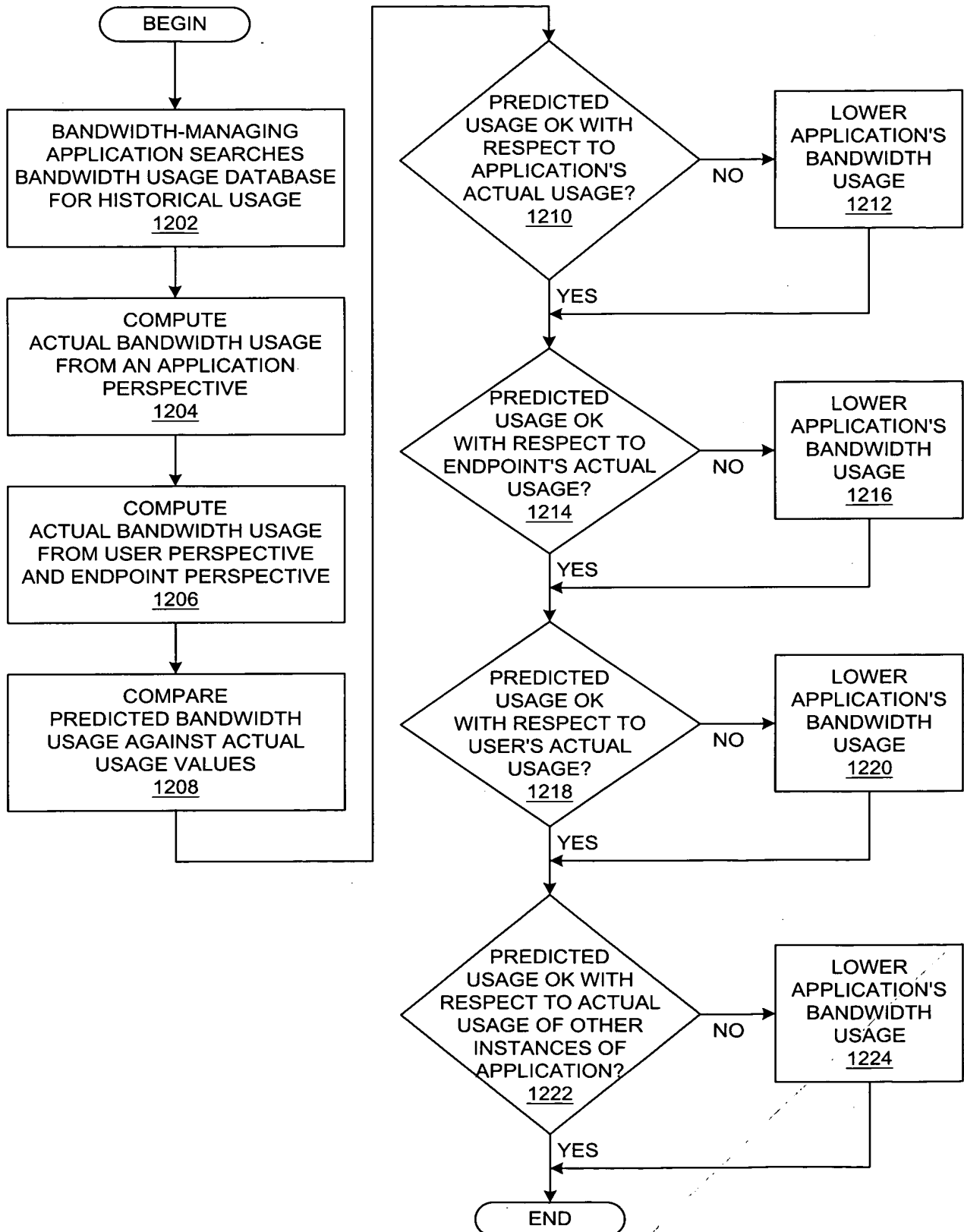


FIG. 12